

11AA_SEQUENCE 1.0
ID AAG47089 standard; protein; 1176 AA.
XX
AC AAG47089;
XX
DT 18-OCT-2000 (first entry)
XX
DE Arabidopsis thaliana protein fragment SEQ ID NO: 59313.
XX
KW Protein identification; signal transduction pathway; metabolic pathway;
KW hybridisation assay; genetic mapping; gene expression control; promoter;
KW termination sequence.
XX
OS Arabidopsis thaliana.
XX
XX EP1033405-A2.
XX
PD 06-SEP-2000.
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PF 25-FEB-2000; 2000EP-00301439.
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XX (CERE-) CERES INC.

XX
PI Alexandrov N, Brover V, Chen X, Subramanian G, Troukhan ME;
PI Zheng L, Dumas J;

XX
DR WPI; 2000-507395/46.
DR N-PSDB; AAC48934.

XX
PT New sequence determined DNA fragments (SDFs) from different plant
PT species, e.g. corn, rice or Arabidopsis thaliana, useful as promoters,
PT protein coding sequences, untranslated regions, or as 3' termination
PT sequences.

PS Claim 19; SEQ ID NO 59313; 344bp + Sequence Listing; English.

XX
CC The present sequence is a putative protein fragment from Arabidopsis
CC thaliana. Its coding sequence was isolated by carrying out RT-PCR on all
CC of the mRNA obtained from the plant, and creating a cDNA library which
CC could then be sequenced, allowing the putative protein sequence(s) to be
CC obtained. This sequence may be useful for protein identification and for
CC aiding in the elucidation of signal transduction and metabolic pathways.
CC Its coding sequence has a use in the control of gene expression as a
CC promoter, coding sequence, 3'UTR or termination sequence, for controlling
CC the behaviour of a gene within the chromosome, as a tool for use in
CC genetic mapping, including a use in hybridisation assays, for recognition
CC or isolation of similar DNA fragments, or for the identification of a
CC particular organism

XX
SQ Sequence 1176 AA;

AAG47089 Length: 1176 June 21, 2005 13:40 Type: P Check: 2954 ..

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801 VGIPVDAQGR IFTPFMQADS STSRTYGGTG IGLSISKRLV ELMQEMGFV
851 SEPGIGSTFS FTGVFGKAEI NTSITKLERF DLAIQEFTEL RALVIDNRNI
901 RAETRYEILR RLGISADIVS SLBMACTCCI SKLENLAMIL IDKDAMNKEE
951 FSVLDELFTF SKVTFTRPVK IFLLATSATL TERSEMKGSTG LIDEVVIKPL
1001 RMSVLICCLQ ETLVNGKKRQ PNRQRNLGH LLREKQILVV DDNLVNRRA
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